



GEORGE HARVEY COLLEGIATE INSTITUTE
MPM2D1 – Grade 10 Principles of Mathematics, Academic



Teacher: M. Chong Yen, E. Xherro

Revision Date: September, 2013

Assistant Curriculum Leader: A. Chor

Credit Value: One (1) Credit

Prerequisite: MPM1D Grade 9 Principles of Mathematics, Academic

COURSE DESCRIPTION

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

TEXTBOOK Principles of Mathematics 10. McGraw-Hill Ryerson: 2007
ISBN Number: 9780075529088 (\$81.81 plus tax and shipping)

REQUIRED MATERIALS

- 3-Ring Binder
- Scientific Calculator
- Writing Utensils
- Student Agenda

COMMUNICATION OF STUDENT ACHIEVEMENT

Student progress and achievement are communicated to the students on an on-going basis through: interim progress reports, student-teacher conferences, verbal/written feedbacks, daily practices, formative assessments, and summative evaluations. See student agenda for detailed information on mid-term and final reporting of student achievement of curriculum expectations and learning skills.

Learning is the responsibility of the students. If students experience any kind of difficulty with their studies, access to remedial help is available from the teacher by arrangement. The teacher may contact parents/guardians regarding any concerns about student progress and achievement.

A parent/guardian may contact the teacher regarding any concern or issue about student progress and achievement in person (preferably by appointment), by phone (416) 394-3180, or via email: matthew.chongyen@tdsb.on.ca / etleva.xherro@tdsb.on.ca.

ACCOMMODATIONS FOR EXCEPTIONAL AND ESL/ELD STUDENTS

Appropriate accommodations for exceptional and ESL/ELD students are provided by the teacher following recommendations as outlined in each identified student's Individual Education Plan (IEP) and/or Annual Education Plan (AEP). See student agenda for more information.

ASSESSMENT/EVALUATION

The assessment/evaluation in this course may consist of a combination of the following:

- Mini-Tests/Tests
- Notebook
- Projects/Presentations
- Assignments
- Culminating Activity
- Written Exam

See student agenda for detailed information on school policies regarding attendance, absences, late, homework, late assignments, missed work/evaluations, and academic integrity.

SUMMATIVE EVALUATION

Summative evaluation is represented by a percentage grade which is a weighted average of the four achievement categories as outlined in the Ontario curriculum documents:

Achievement Categories	Knowledge	Thinking/Inquiry	Communication	Application
Percentage Weightings	30%	20%	20%	30%

Term Evaluation (70%):

Unit	Topic	Approx. Time	Evaluations
1	Linear System	15 Hours	Mini-Tests (On-going) – wt. 10 Unit Test (End of unit) – wt. 20
2	Analytic Geometry	17 Hours	Mini-Tests (On-going) – wt. 10 Assignment (End of unit) – wt. 10 Unit Test (End of unit) – wt. 20
3	Polynomials	20 Hours	Mini-Tests (On-going) – wt. 10 Unit Test (End of unit) – wt. 20
4	Quadratic Functions	20 Hours	Mini-Tests (On-going) – wt. 10 Unit Test (End of unit) – wt. 20
5	Quadratic Equations	14 Hours	Mini-Tests (On-going) – wt. 10 Unit Test (End of unit) – wt. 20
6	Trigonometry	22 Hours	Mini-Tests (On-going)- wt.10 Assignment (Take home)- wt. 5 Unit Test (End of unit) – wt. 20

Final Evaluation (30%):

Final evaluations cover all strands and overall curriculum expectations of the course, across all four achievement categories.

Written Exam	25%	End of course
Culminating Task	5%	End of course

*Subject to change without further written notice

I have read the above information and I understand the expectations of this course.

Student Signature: _____

Parent/Guardian Signature: _____